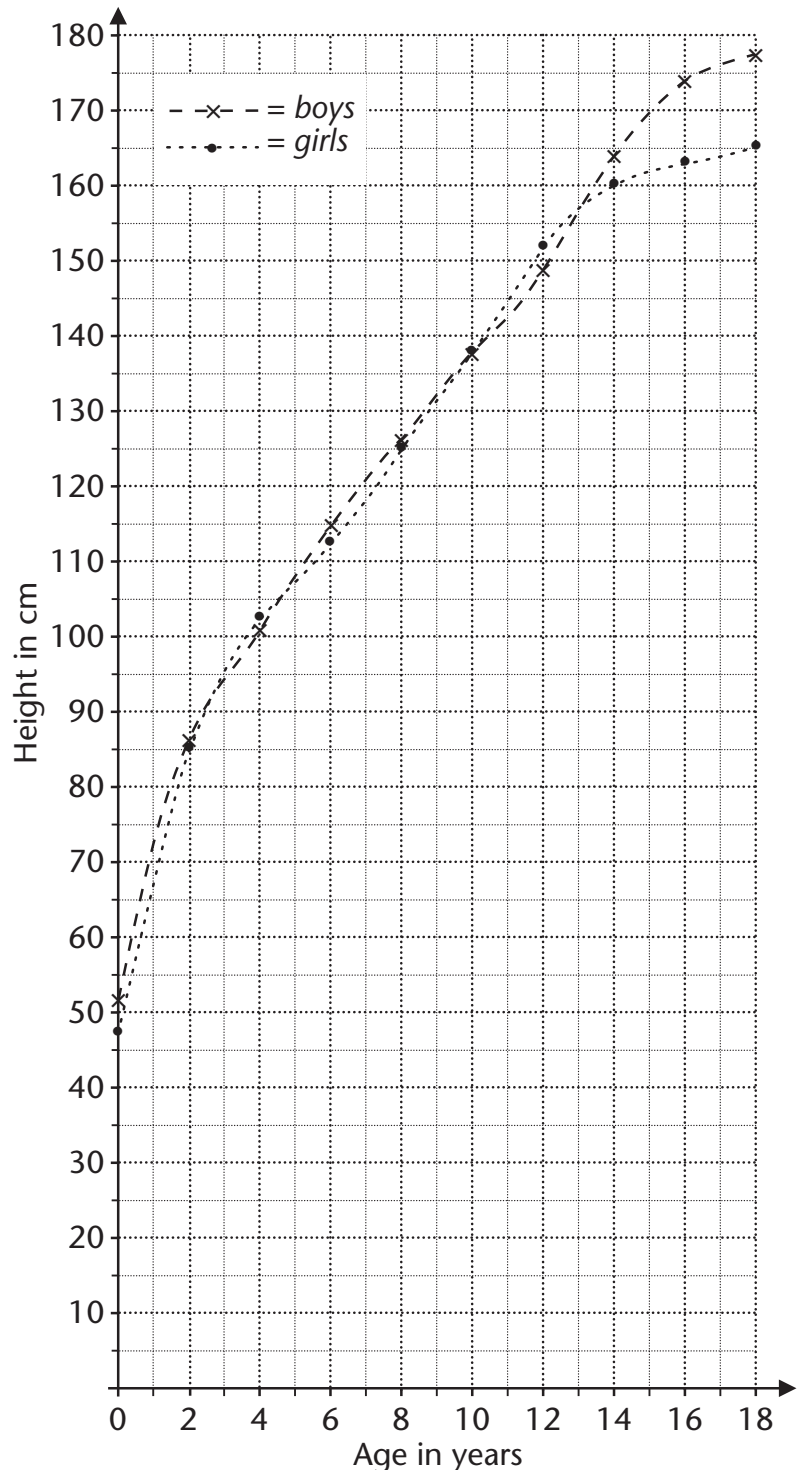


Children are growing all the time, but as teenagers you grow faster for a couple of years. This fast growth is called a growth spurt. You are going to analyse a graph showing growth of children.

The graph below shows the average height of girls and boys today. A graph can tell you how fast or slow something is happening. A steep line shows faster growth. A less steep line shows slower growth.

- ① Between what ages are girls taller than boys?
- ② At age 12 girls are taller than boys. At what age will boys be taller than girls again?
- ③ At age 6, how much taller are boys than girls?
- ④ At age 18, how much taller are boys than girls?
- ⑤ How much do girls grow between ages 16 and 18?
- ⑥ How much do boys grow between ages 16 and 18?
- ⑦ Who grows the most between ages 16 and 18?
- ⑧ At age  $10\frac{1}{2}$  are girls or boys growing faster?
- ⑨ At age  $13\frac{1}{2}$  are girls or boys growing faster?
- ⑩ At what age between 0 and 18 do girls and boys grow fastest?
- ⑪ The estimated average height data for a man aged 18 years in the 19th century is 165 cm. Why do you think this differs from the recently collected data above?



This data was obtained from Davidson and Passmore Human Nutrition and Dietetics [Passmore and Eastwood]